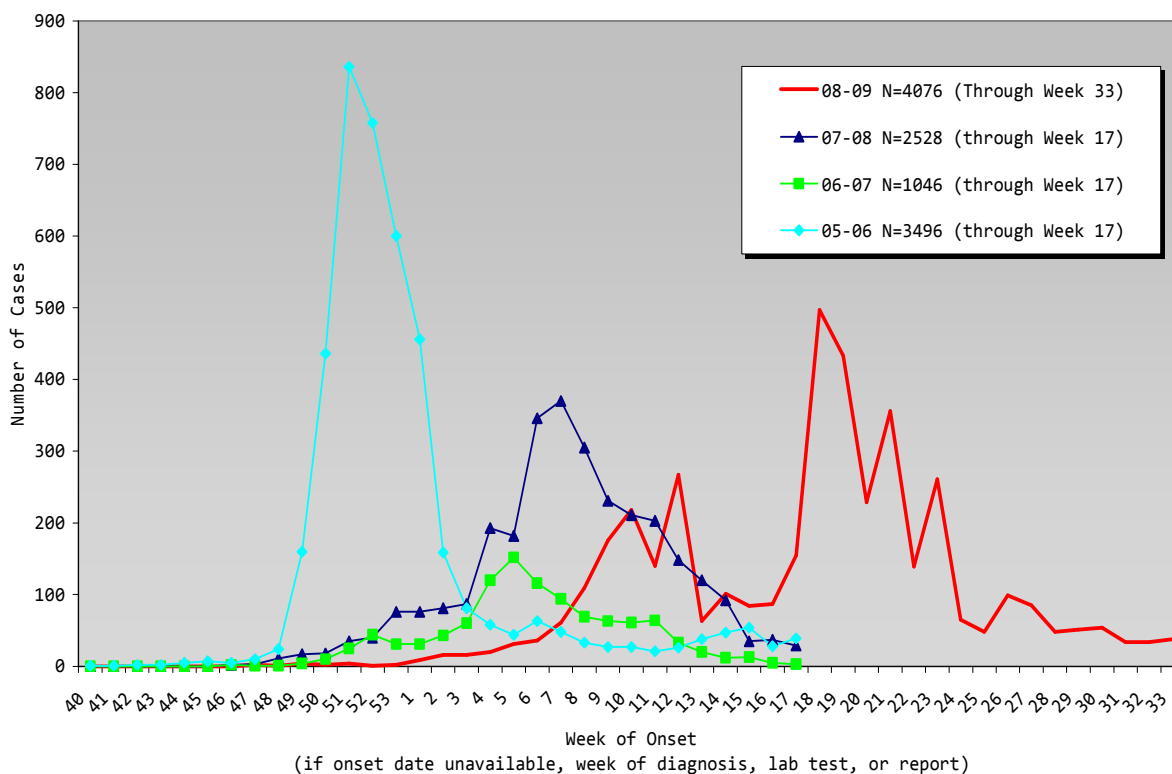
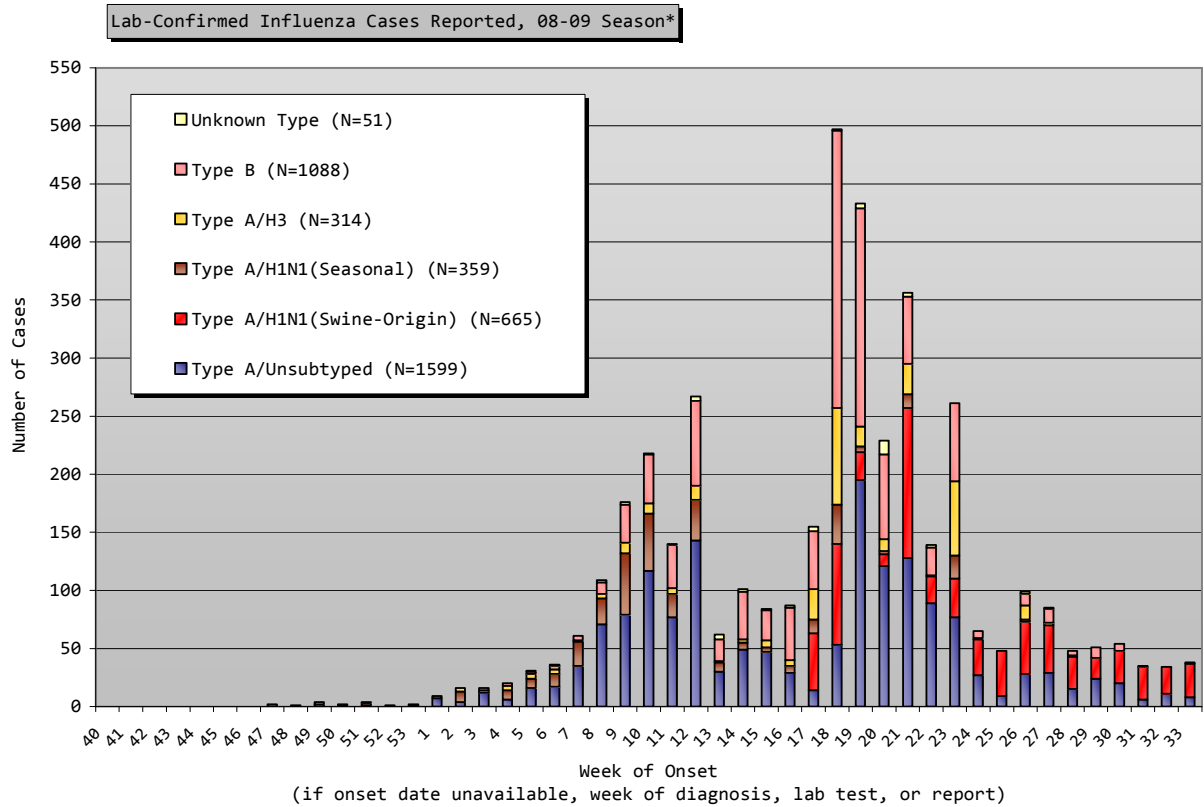
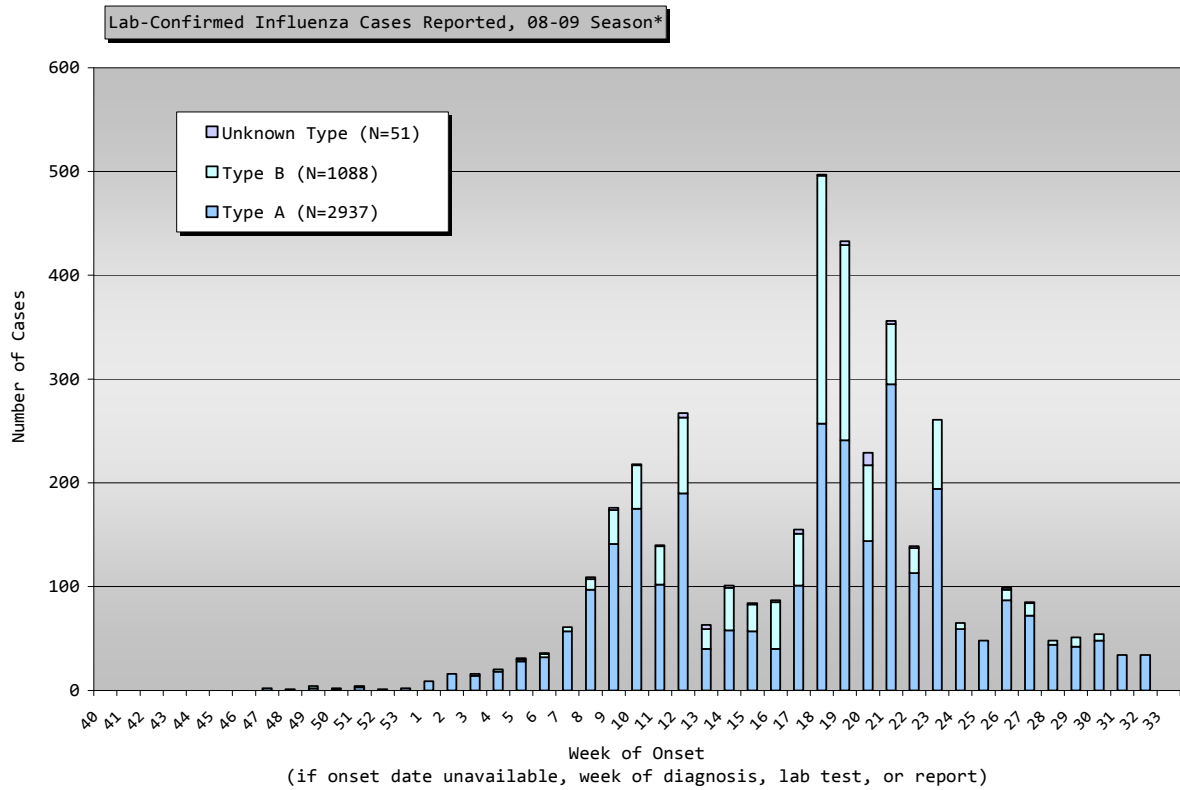


MARICOPA COUNTY INFLUENZA SUMMARY UPDATE
WEEK 33 (8/16/09-8/22/09)

- **Lab Confirmed Influenza:** 4076 cases of influenza have been confirmed at the Arizona State Laboratory (Through week 33).
- **Pneumonia & Influenza Mortality:** 3.18% of all deaths were due to pneumonia or influenza (Week 33) (MCDPH Office of Vital Statistics)
 - **Influenza Associated Deaths (IAD):** 28 influenza-related deaths have been reported through week 33. **(10 type-A, 3 type-B, 4 type-Unknown & 11 novel H1N1).**
 - **Pediatric IAD:** 5 of the 28 IAD were pediatric cases **(2 type A, 2 Type A/H1N1 & 1 type B).**
- **Influenza-Like Illness:**
 - **Cigna Health Centers (n=20):** 0.00% of visits due to ILI. (provisional data; subject to change as updated information becomes available)
 - **Hospital Emergency Departments (n=17):** 1.34% of visits due to ILI.
- **Biosense:** (n=6) 0.17 of all visits were due to ILI.
- **Respiratory Syndromes (Biosense):** (n=6) 12.82% of all visits were due to a respiratory syndrome.

Lab-Confirmed Influenza Cases Reported:
05-06 Season, 06-07 Season, 07-08 Season, 08-09 Season





2008-2009, Age Distribution, Various Methods of Counting Seasonal Influenza-Associated Deaths

2008-2009 Seasonal Influenza	A=Influenza on DC + positive testing			B=Influenza on DC, no testing or unknown testing			C=No influenza but respiratory COD on DC + positive testing			D=Influenza on DC + negative culture/PCR			E=Pending DC + positive testing			TOTALS		
Influenza Type	A	B	Unk	A	B	Unk	A	B	Unk	A	B	Unk	A	B	Unk	A	B	Unk
Under 5	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0
5-19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
20-64	1	1	0	1	0	1	1	0	0	1	0	0	1	0	0	5	1	1
65 and older	0	0	0	0	0	0	3	1	0	0	0	3	0	0	0	3	1	3
TOTAL	2	2	0	1	0	1	5	1	0	1	0	3	1	0	0	10	3	4

2008-2009, Age Distribution, Various Methods of Counting Novel Influenza-Associated Deaths

2008-2009 Novel H1N1 Strain	A=Influenza on DC + positive testing	B=Influenza on DC, no testing or unknown testing	C=No influenza but respiratory COD on DC + testing	D=Influenza on DC + negative culture/PCR	E=Pending DC + positive testing	TOTALS
Age Group	All Novel H1N1 Strains are Type A influenza.					
Under 5	1	0	0	0	0	1
5-19	1	0	0	0	0	1
20-64	4	0	2	0	0	6
65 and older	0	0	1	0	2	1
TOTAL	6	0	3	0	2	11

2008-2009, Confirmed Seasonal and Novel H1N1 Influenza-Associated Deaths by serotype.

Type	Seasonal Influenza*	Novel H1N1	Total
A	9	11	20
B	3		3
Unk	1		1
Total	13	11	24

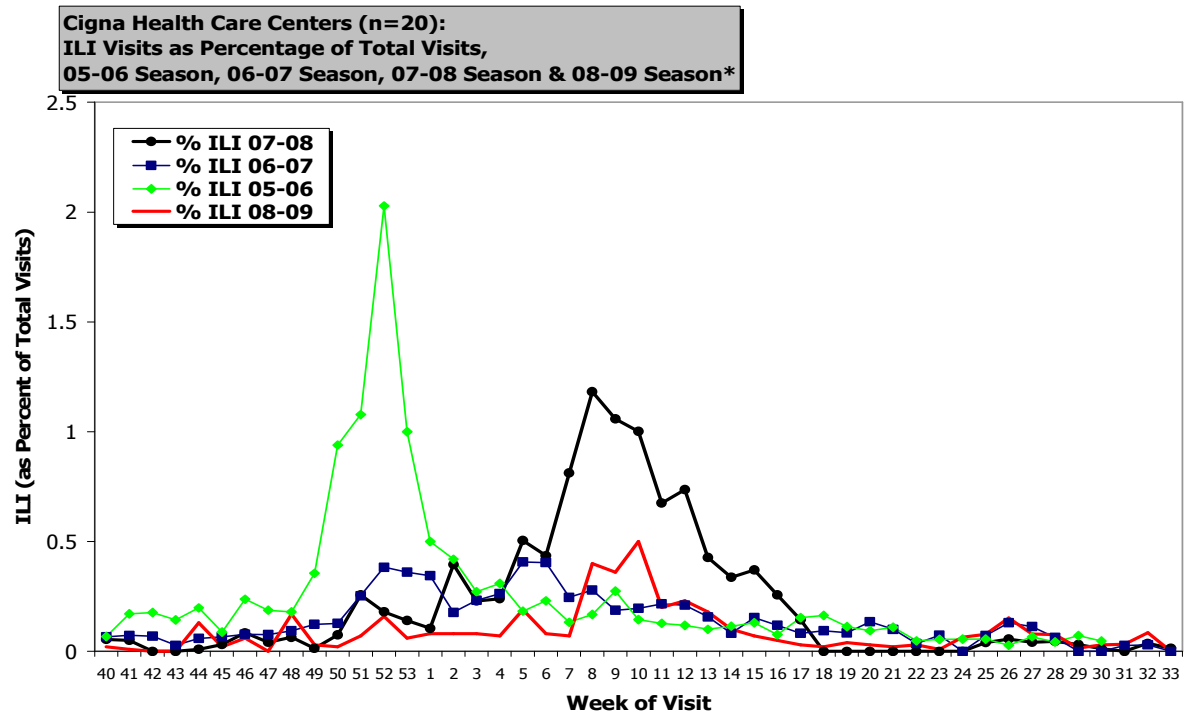
**Confirmed IAD include cases with Influenza or Respiratory causes of death + positive testing or unknown testing. Cases with positive testing and a pending death certificate are also included.*

Influenza-Like Illness (ILI)* Surveillance

*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

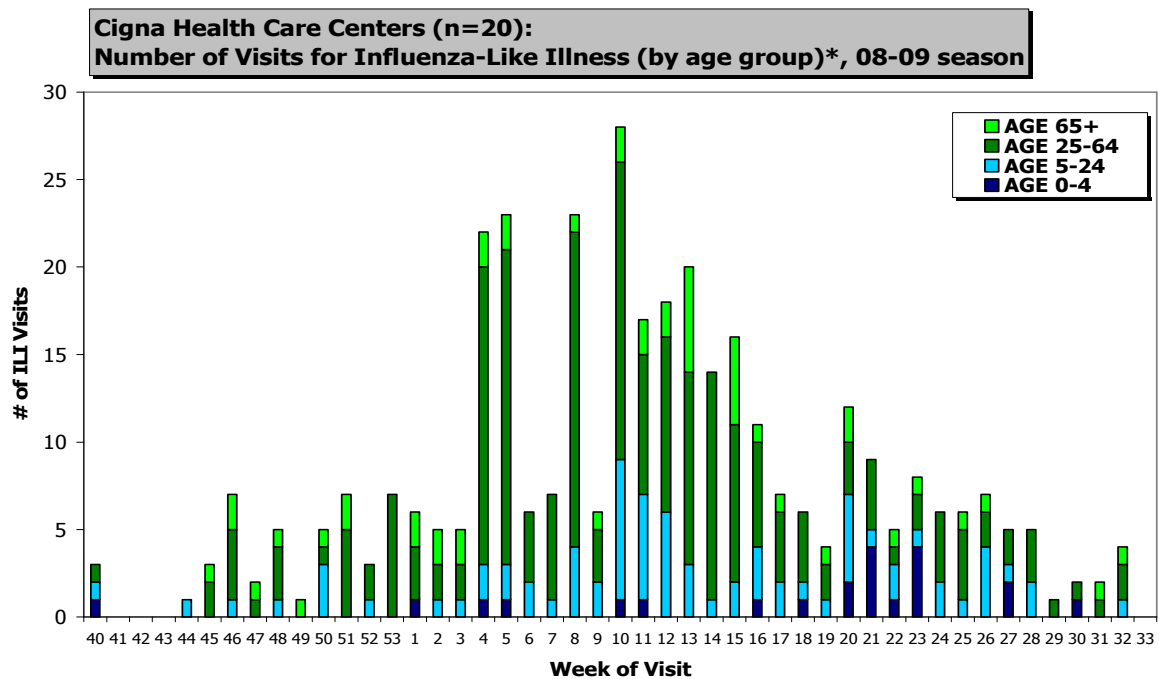
- During Week 33, 0.00% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 33 of the two previous seasons, 0.014% (07-08) and 0.00% (06-07) of patient visits to Cigna Health Care Centers were due to ILI. (*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of ER visits for ILI (data from 17 hospitals) was 1.34% for Week 33.

Influenza-Like Illness (ILI)* Surveillance



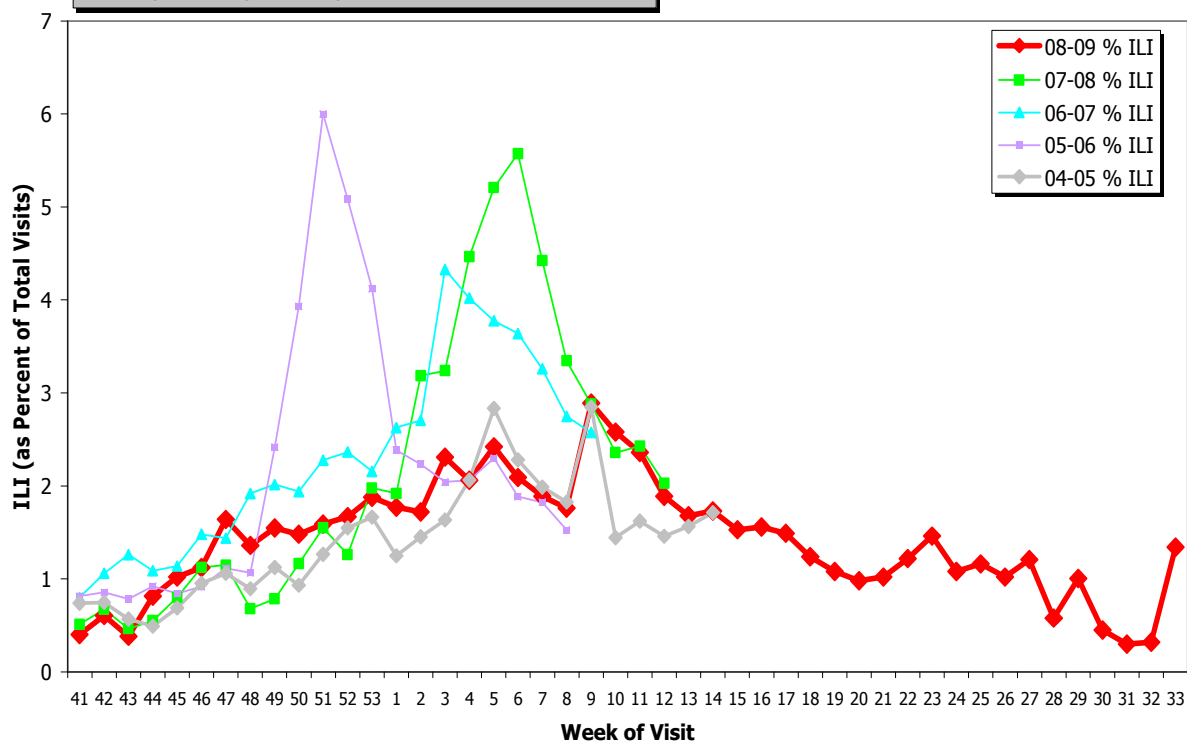
*Data for Weeks 30-33 of the 08-09 season is provisional and may change in subsequent reports as updated information becomes available.

Influenza-Like Illness (ILI)* Surveillance

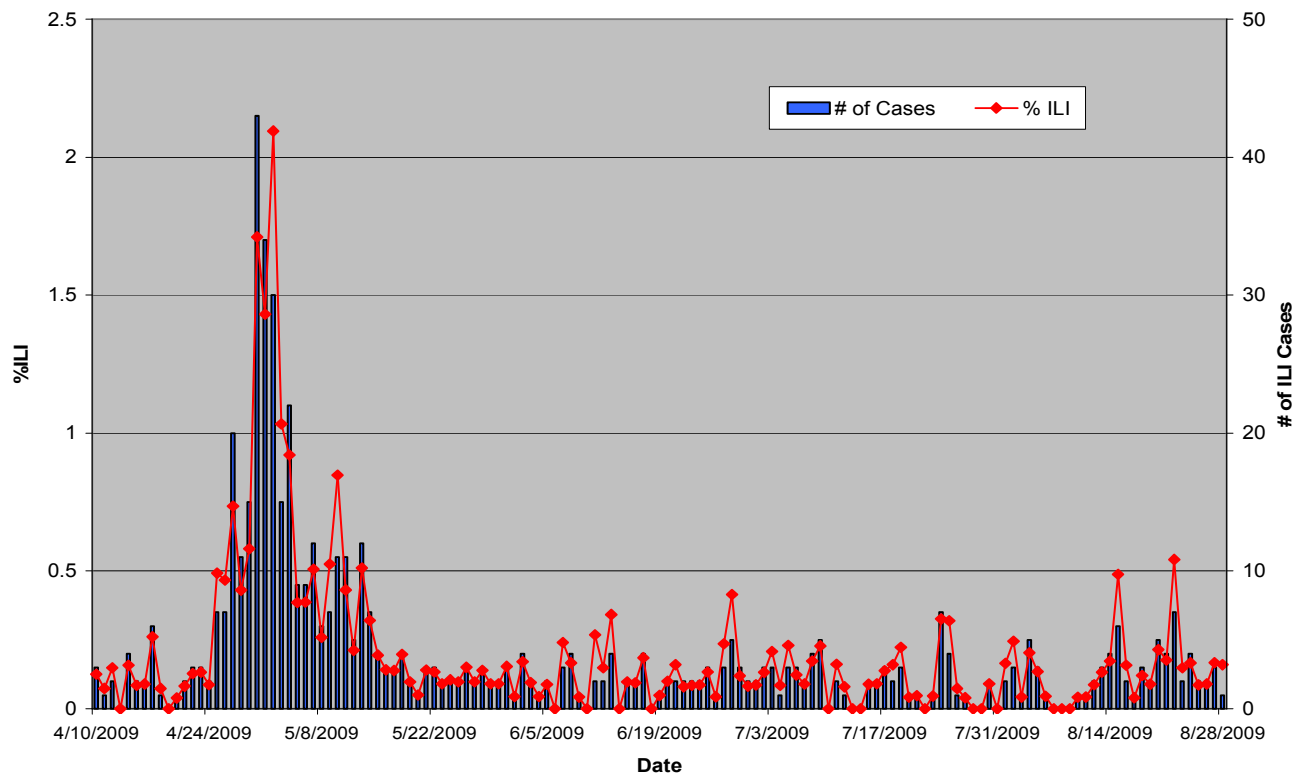


*Data for Weeks 30-33 of the 08-09 season is provisional and may change in subsequent reports as updated information becomes available.

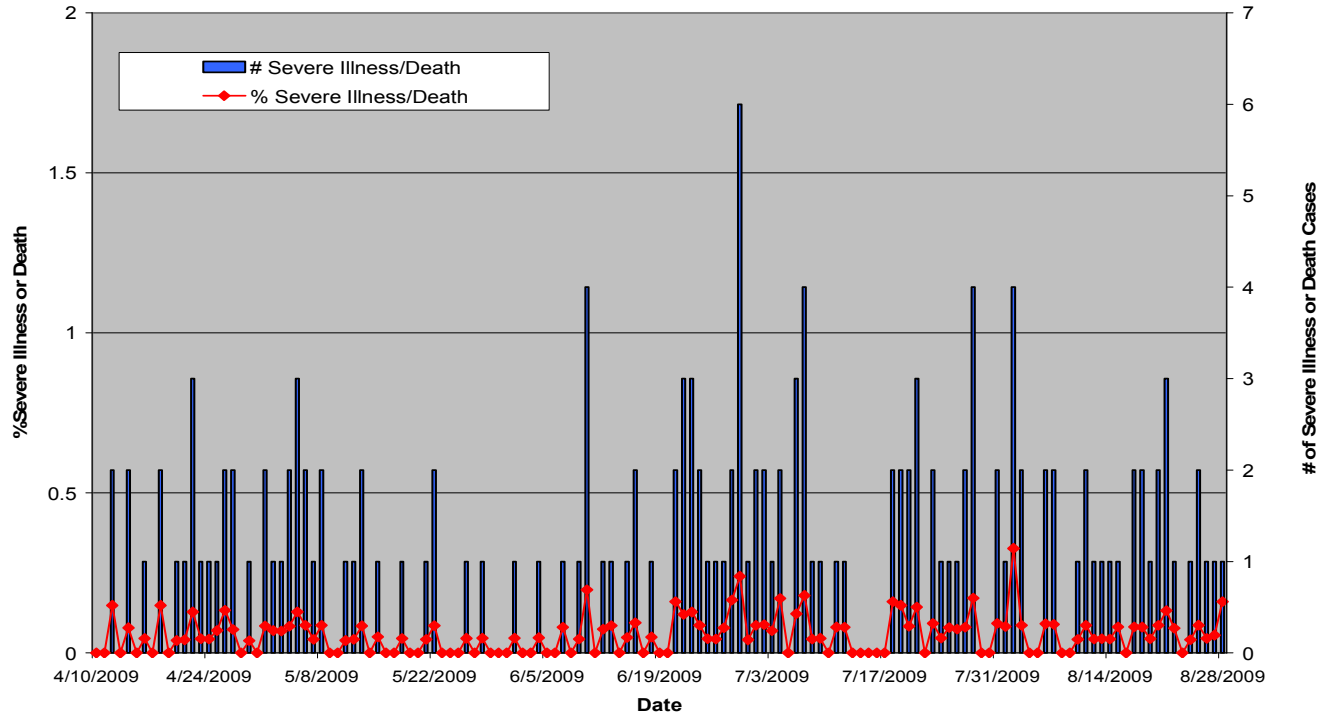
**Hospital Emergency Departments (n=17):
ILI Visits as Percentage of Total Visits
04-05, 05-06, 06-07, 07-08 & 08-09 Seasons**



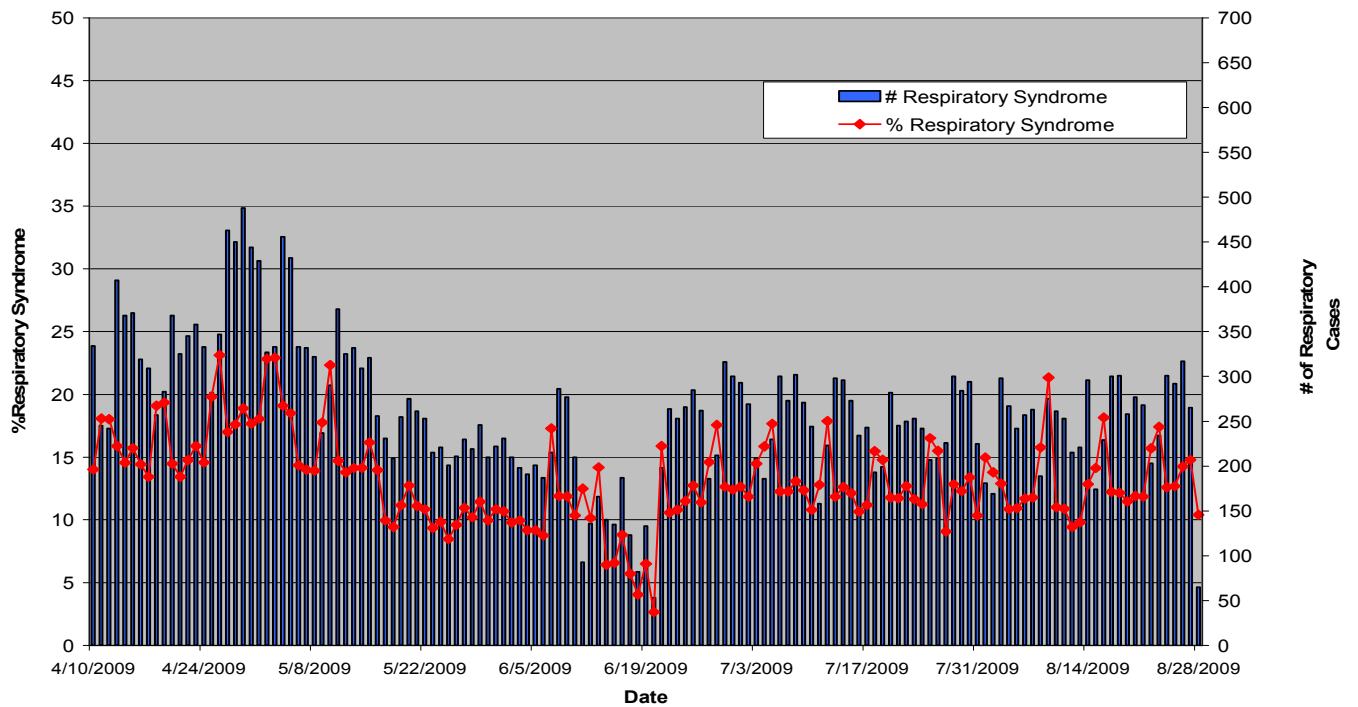
**All Biosense Facilities- Daily ILI Surveillance
(n=6 facilities)**



**All Biosense Facilities Daily Syndrome Surveillance: Severe Illness or Deaths
(n=6 facilities)**



**All Biosense Facilities Daily Syndrome Surveillance: Respiratory
(n=6 facilities)**



Influenza Activity outside Maricopa County

Information on influenza activity outside Maricopa County is available at these sites:

- http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.

Please email any questions about this report to: dereksteinke@mail.maricopa.gov.

Report generated: 8/28/09.

Influenza Surveillance Participants include:

Arizona Department of Health Services

Cigna Health Care Centers

Arizona State University Campus Health Services

Hospital Emergency Departments & Infection Control Practitioners

- Banner Baywood Hospital
- Banner Desert Hospital
- Banner Estrella Hospital
- Banner Gateway Hospital
- Banner Good Samaritan
- Banner Del E. Webb Hospital
- Arrowhead Hospital
- Carl T. Hayden VA Medical Center
- John C Lincoln North Mountain
- Mayo Hospital
- MMC
- St. Josephs Hospital
- St. Luke's Hospital
- Tempe St. Luke's
- Scottsdale Healthcare Shea
- Scottsdale Healthcare Osborne
- Scottsdale Healthcare Thompson Peak
- Wickenburg Community Hospital

